



ESSP-3 Announcement of Opportunity

Evaluation Process

Don Avery

Langley Research Center

ESSP AO Preproposal Conference

June 14, 2001



ESSP-3 Evaluation Process Highlights



- **ESSP-3 Evaluation Plan will build on the UnESS Evaluation Process**
- **More structured evaluation panels**
 - **Science/Applications Panel**
 - **TMC Panel**
 - **Education Panel**
 - **Other Opportunities Panel**
- **Emphasis placed on rigorous Technical, Management and Cost Evaluation in Step-Two**
- **Site Visits conducted during Step-Two evaluations**



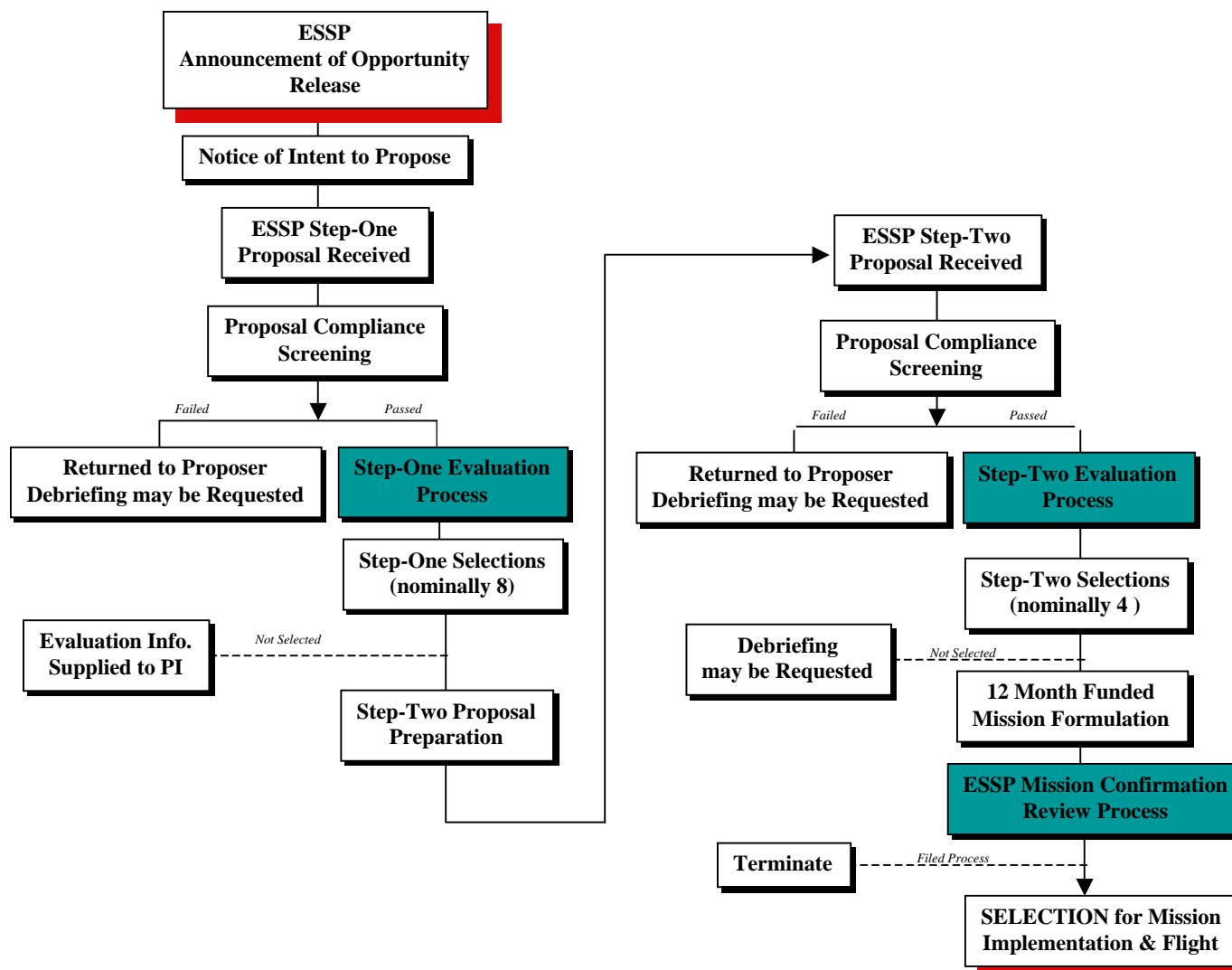
ESSP-3 Evaluation Process



- **Step-One Evaluation**
 - **Step-One Evaluation primarily science/applications; however, mission implementation will be evaluated**
 - **Evaluation Criteria**
 - **Science/Applications**
 - **Mission Implementation**
- **Step-Two Evaluation**
 - **Full proposal evaluation**
 - **Evaluation criteria**
 - **Science/Applications**
 - **Technical, Management and Cost**
 - **Education**
 - **Other Opportunities**
 - **Site visits**
 - **Selected proposals will be funded for mission formulation**
- **Mission Confirmation Review Process**
 - **Conducted after 12 month funded mission formulation phase**
 - **Process as defined by GSFC in Mission Confirmation Review Process document**
 - **After Mission Design Review, Selecting Official selects missions to proceed through Mission Confirmation Review, implementation and flight**



ESSP-3 Overall Evaluation Steps





ESSP-3 Evaluation Panel Structure

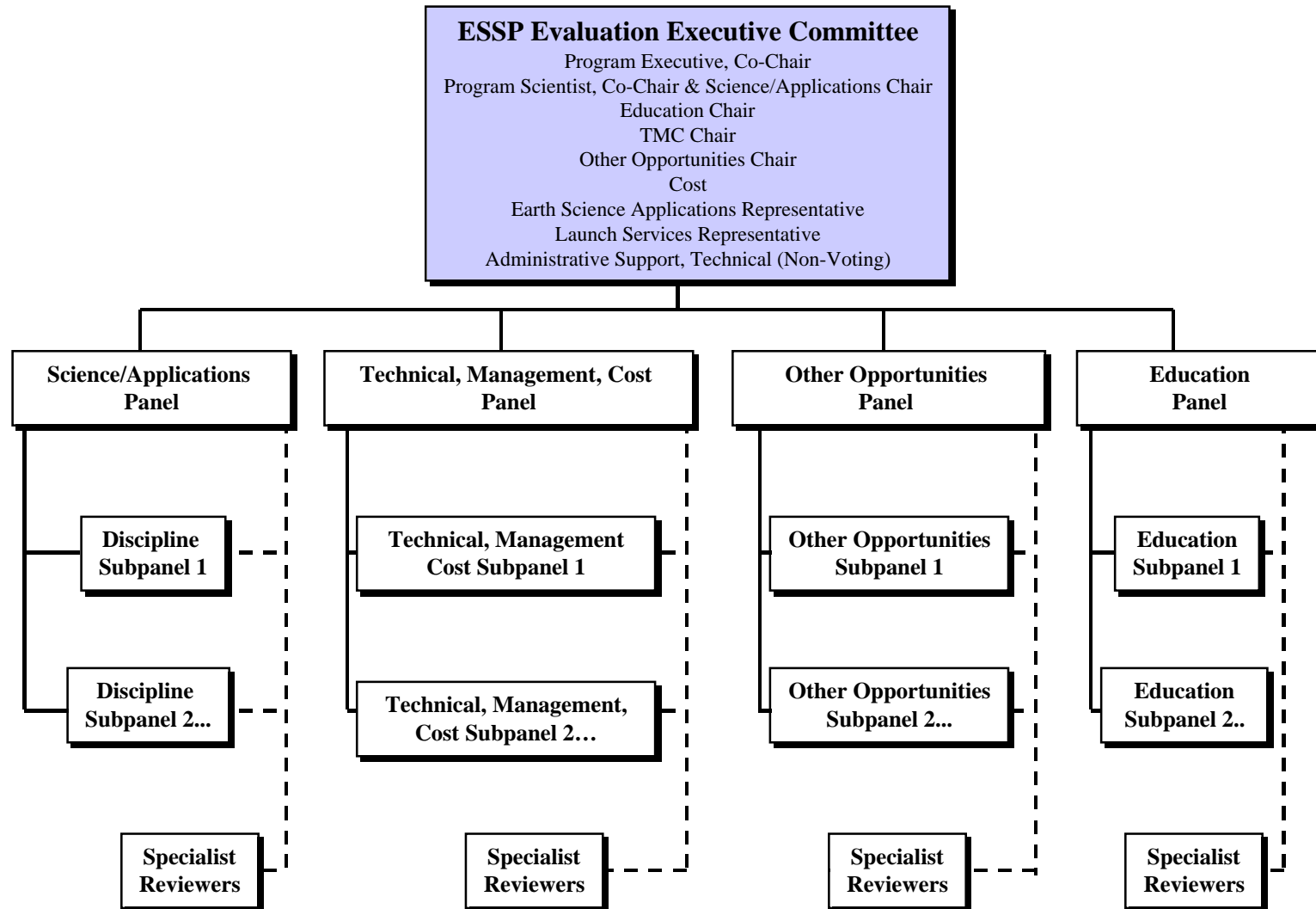


- **ESSP Evaluation Executive Committee**
 - Headquarters Co-Chairs form Code YF and Code YR
 - **Members**
 - TMC Panel Chair
 - Education Panel Chair
 - Other Opportunities Chair
 - Headquarters cost
 - Office of Earth Science applications representative
 - Launch services representative
 - Administrative Support, technical (non-voting)
 - Specialist reviewers as necessary
- **Science/Applications Panel**
 - Discipline subpanels as necessary
 - Members include peers from science disciplines, applications, and others
 - Specialist reviewers
- **Technical, Management and Cost Panel**
 - Technical, Management and Cost subpanels as necessary
 - Members include national experts in instrument/spacecraft design, development and flight along with expert cost analyst and experienced project managers.
 - Specialist reviewers (Technology, analysis tools, etc.)
- **Education Panel**
 - Education subpanels as necessary
 - Specialist reviewers
- **Other Opportunities**
 - Other Opportunities subpanels as necessary
 - Specialist reviewers



ESSP-3 Evaluation Panel Structure

(Concluded)





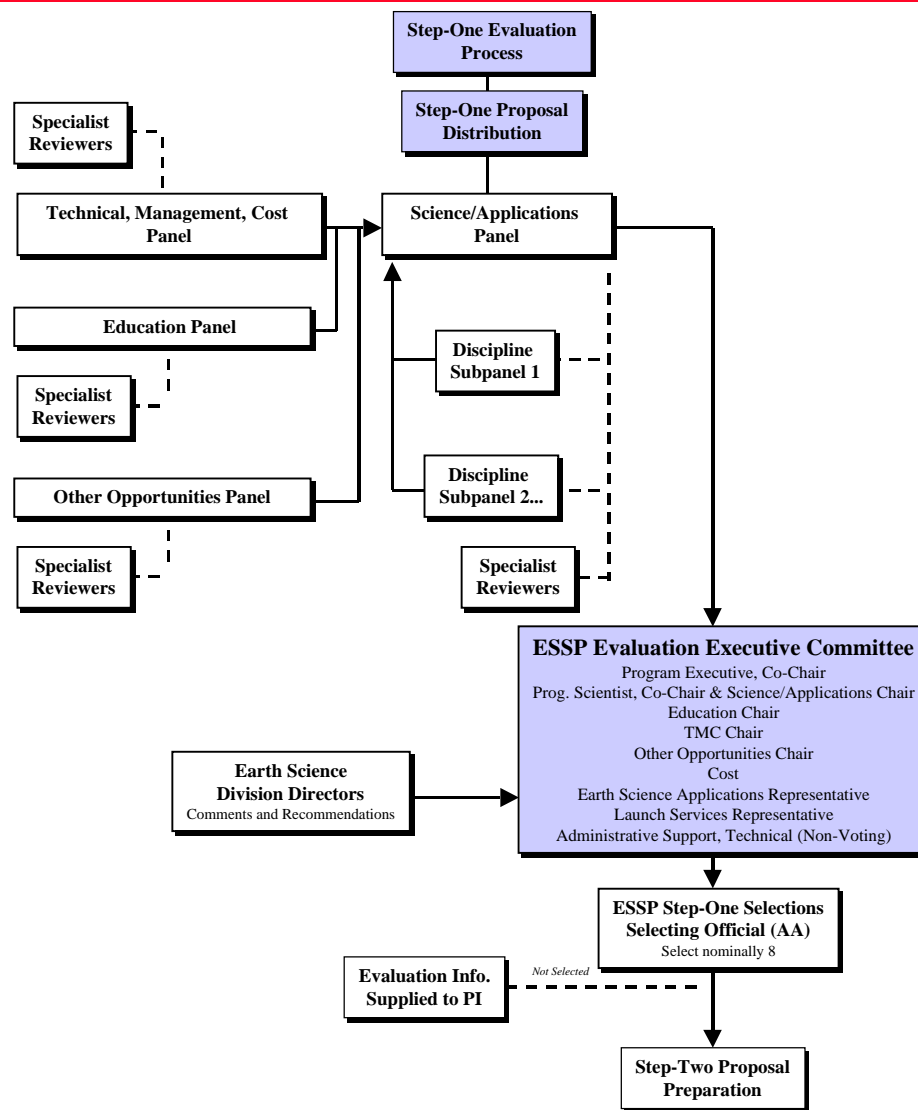
ESSP-3 Step-One Evaluation Process



- **Short Proposals received**
- **Compliance check by Headquarters Peer Review Contract**
- **Distribution of Proposals to panel and subpanel members**
- **Science/Applications Panel reviews**
 - **Number of discipline subpanels depends on number of proposals received**
 - **Inputs from TMC Panel (analyst and analysis tools), Education Panel, and Other Opportunities Panel**
 - **No cost analysis**
- **ESSP Evaluation Executive Committee**
 - **Reviews Science/Applications Panel results**
 - **Categorizes proposals**
 - **Reviews with Division Directors**
 - **Presents to Selecting Official**
- **ESSP Step-One Selections made by Selecting Official**
 - **Nominally 8 proposals selected to prepare Step-Two proposals**
 - **Proposals not selected may develop Step-Two proposal**



ESSP-3 Step-One Evaluation Process (Concluded)





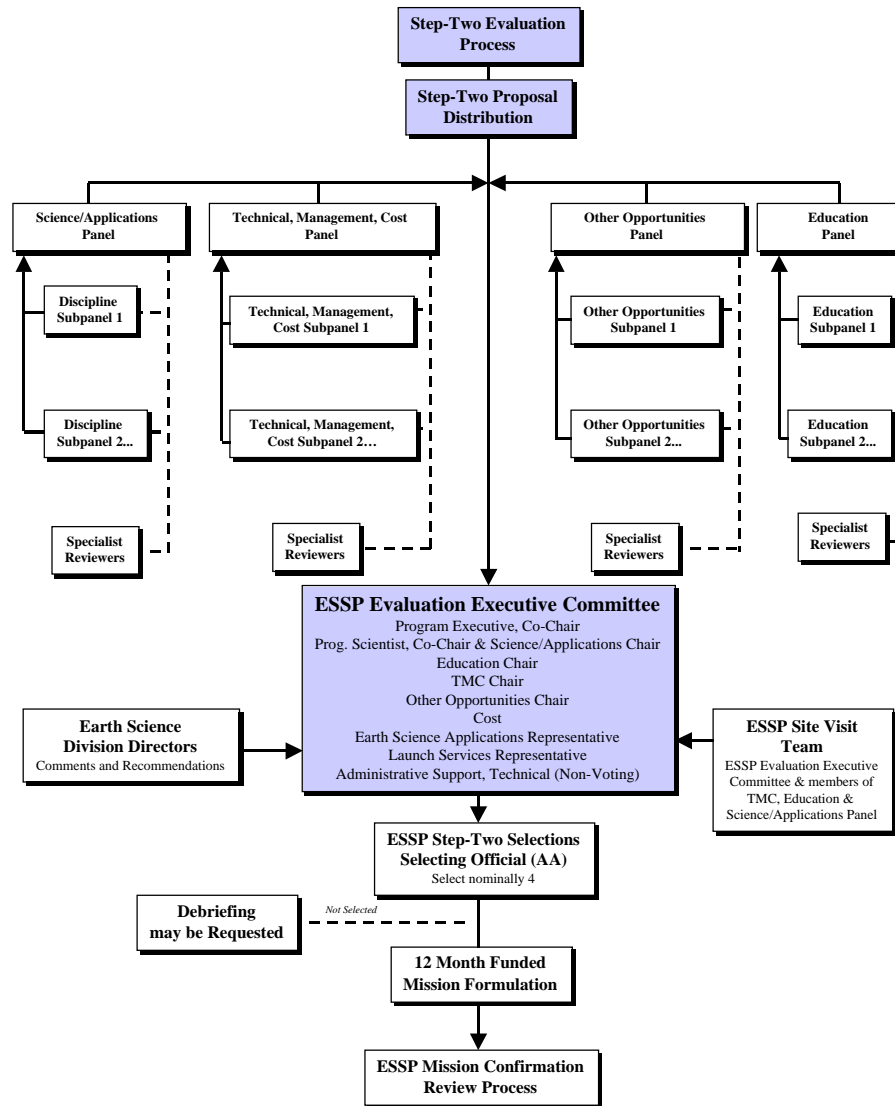
ESSP-3 Step-Two Evaluation Process



- **Long Proposals received**
- **Compliance check by Headquarters Peer Review Contract**
- **Distribution of Proposals to panel and subpanel members**
- **Panels**
 - **Science/Applications Panel reviews**
 - **Technical Management and Cost Panel review**
 - Two cost models used
 - **Education**
 - **Other Opportunities**
- **ESSP Evaluation Executive Committee**
 - **Input from Site Visit Team**
 - **Reviews results from panels and combines scores**
 - **Categorizes proposals**
 - **Reviews with Division Directors**
 - **Presents to Selecting Official**
- **ESSP Step-Two Selections made by Selecting Official**
 - **Nominally 4 proposals selected for 12 month funded mission formulation**
 - **Funded through Mission Design Review in Mission confirmation Review Process**



ESSP-3 Step-Two Evaluation Process (Concluded)





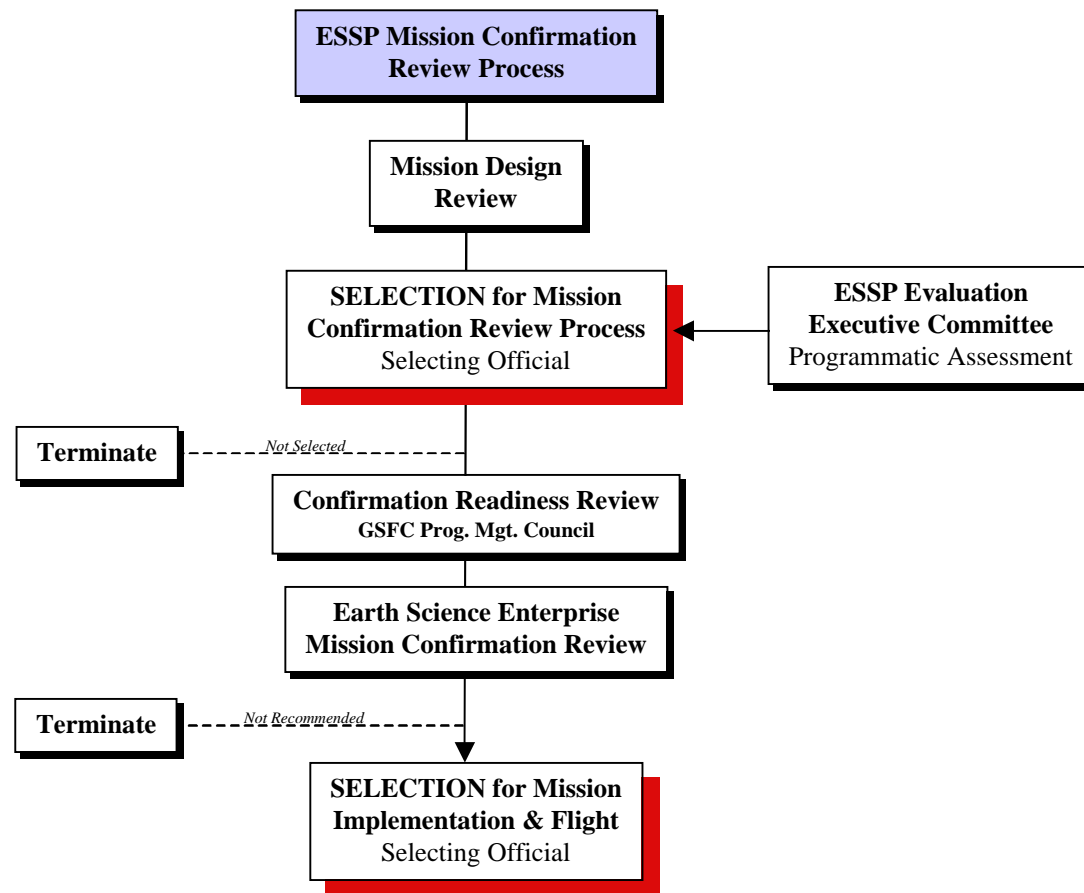
ESSP-3 Mission Confirmation Review Evaluation Process



- **Conducted after a 12 month funded mission formulation phase for all proposals**
- **Mission Confirmation Review Process**
 - **Conducted according to GSFC's Mission Confirmation Review Process document**
 - Mission Design Review
 - Confirmation Readiness Review conducted by GSFC Program Management Council
 - Earth Science Enterprise Mission Confirmation Review
 - **After Mission Design Review and a programmatic assessment by the ESSP Evaluation Executive Committee the Selecting Official (ESE AA) makes selections for continuation through Mission Confirmation Review, implementation and flight**
 - **ESSP Evaluation Executive Committee**
 - Attends Mission Design Review
 - Programmatic assessment
 - > Mission funding required vs. available
 - > Adjustments in mission schedule
 - > Adjustments in launch services
- **Nominally two proposals selected for implementation and flight**
- **Implementation managed by ESSP Program Office at GSFC**



ESSP-3 Mission Confirmation Review Evaluation Process (Concluded)





ESSP-3 Evaluation Process Final Comment



- **Questions after Preproposal Conference**
 - Use ESSP AO Questions website at <http://essp.larc.nasa.gov/essp>
 - Questions will be answered on a time available basis
 - Answers will only be posted to ESSP AO website